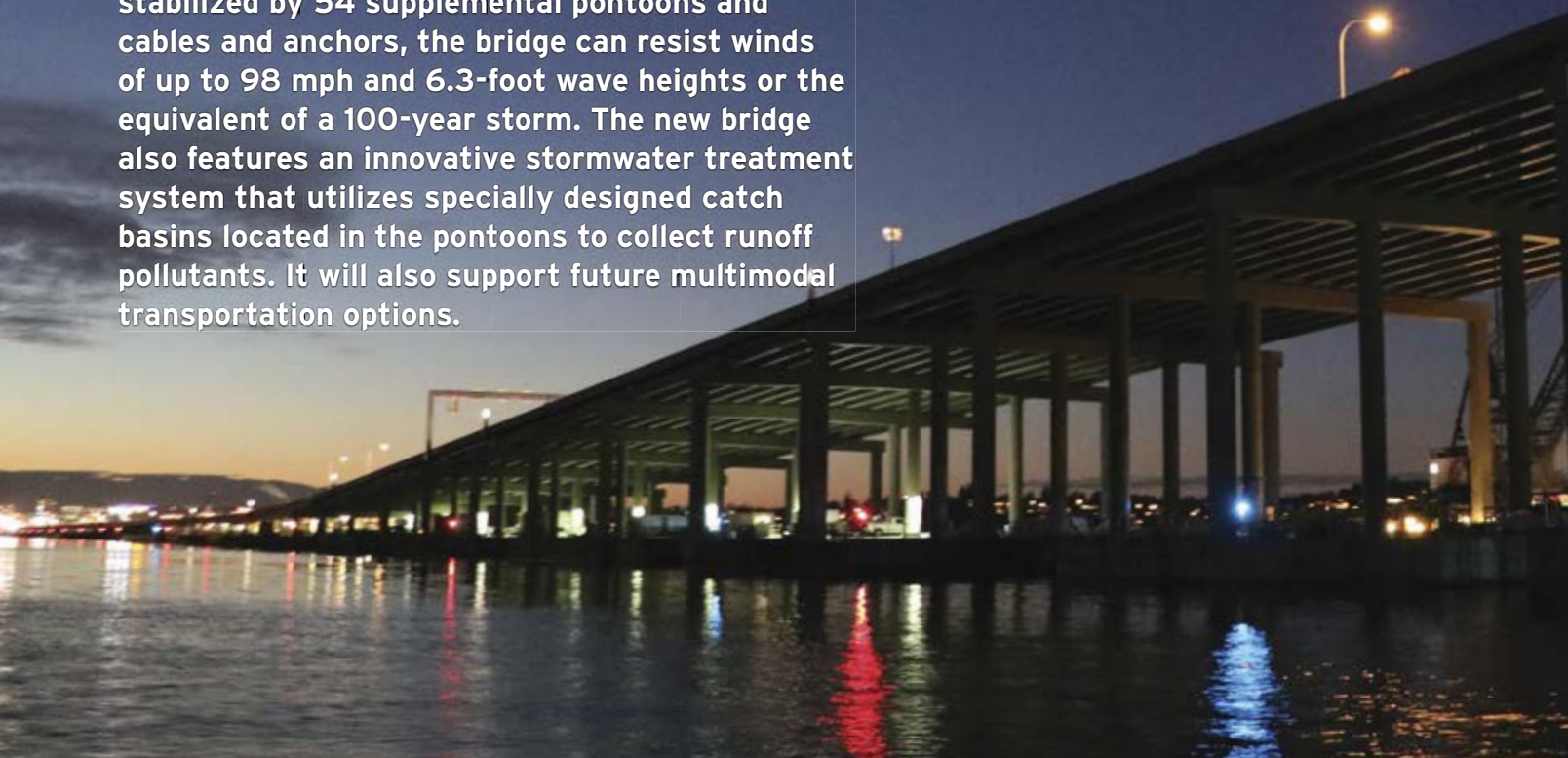


2017 Grand Conceptor Award Winner

SR 520 Floating Bridge Replacement and HOV Program
Seattle, Washington
HDR, Seattle, Washington

This dynamic new 1.5-mile span is the world's longest and largest floating bridge. The superstructure is supported by 21 of the heaviest, widest and deepest longitudinal pontoons ever built, each weighing nearly 11,000 tons. Further stabilized by 54 supplemental pontoons and cables and anchors, the bridge can resist winds of up to 98 mph and 6.3-foot wave heights or the equivalent of a 100-year storm. The new bridge also features an innovative stormwater treatment system that utilizes specially designed catch basins located in the pontoons to collect runoff pollutants. It will also support future multimodal transportation options.

AAC



HDR's Larry Lyle (center right), along with WSDOT's Julie Meredith (center left), celebrate winning the 2017 Grand Conceptor Award with the rest of their project team.





2017

ENGINEERING EXCELLENCE AWARD WINNERS

The 2017 Engineering Excellence Awards Gala—known by ACEC members as the Academy Awards of the engineering industry—showcased 162 projects from across the country and around the world.

A panel of more than 30 judges from across the nation representing a wide spectrum of built environment disciplines selected 36 projects for top awards—including 16 finalists for the Grand Conceptor Award, presented for the year's most outstanding engineering achievement.

Comedian and actor Kevin Nealon hosted the 50th Anniversary Gala, attended by more than 700 members, guests and dignitaries.



EEA Gala attendees begin to gather in anticipation of the program's 50th Anniversary celebration.



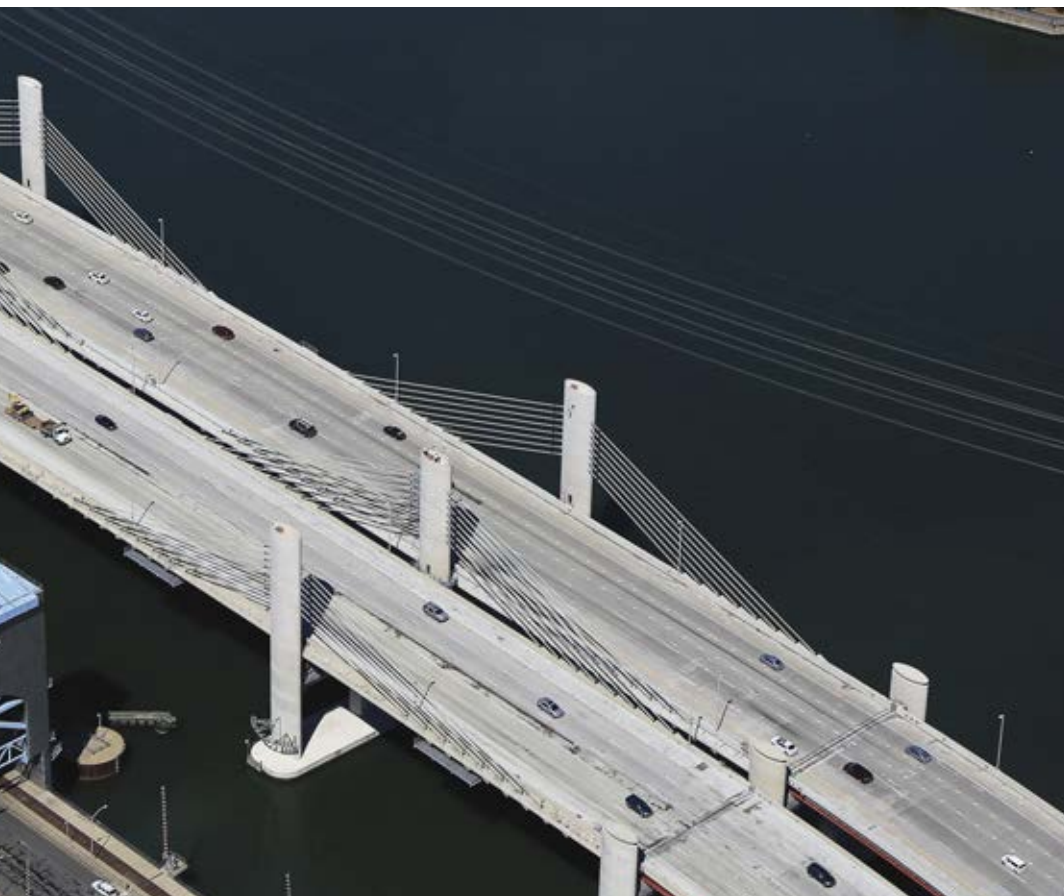
▲
World Trade Center Transportation Hub (Oculus) Erection Engineering
New York, New York
Buckland & Taylor International, an affiliate of COWI North America
New York, New York

Resembling a pair of hands releasing a white dove, this eye-catching steel and glass dome structure welcomes more than 200,000 daily commuters into Manhattan. Two parallel arches span the 300-foot-long oval-shaped Transit Hall, providing a cathedral-like appearance and reaching a crown height of 100 feet. The dove “wings” consist of variable length rafters extending from the arches as long as 200 feet to form the exterior roof structure. Spaces between supporting columns are enclosed in glass to allow natural light to illuminate the main Transit Hall and create an unprecedented railway station experience.

▶
Pearl Harbor Memorial Bridge
New Haven, Connecticut
AECOM, Rocky Hill, Connecticut

The striking new structure is the first “extradosed” cable-stayed bridge in the United States. Used extensively in Europe and the Far East, “extradosed” bridges employ much shorter stay-towers and are used when height, navigation clearance or aesthetic requirements make other options less feasible. The project team had to meet height restrictions, due to a nearby airport, and clearance restrictions over an active marine channel. A centerpiece of the \$2 billion I-95 New Haven Harbor Crossing Corridor Improvement Program, the project adds a distinctive landmark in the New Haven skyline, evoking the profile of the battleships memorialized by its name.





**Jerome L. Greene
Science Center**
New York, New York
Jaros, Baum & Bolles
New York, New York

The nine-story, 450,000-square-foot facility is the largest academic science building in New York City and a paragon for noise reduction, light and temperature control. A groundbreaking double-skin, all-glass curtain wall system diminishes noise from an adjacent elevated subway line—imperative for a neuroscience research facility. The double-skin curtain wall also features various glass compositions to meet exacting standards for light and temperature control, and connects with a unique mechanical ventilation system that repurposes exhaust air from the laboratory spaces, passing it between the layers of the glass curtain wall to keep the facility cool in summer and warm in winter.



▲
**Foundation Design for the New
N.Y. Bridge (Tappan Zee Bridge
Replacement)**
Hudson River between South
Nyack and Tarrytown, New York
GZA GeoEnvironmental
Norwood, Massachusetts

Innovative pile foundation units will support two new 3-mile-long multispan structures for the new Tappan Zee Bridge replacement across the Hudson River. The project team overcame ground conditions that slope dramatically along the bridge route, including one-third of the alignment where the bedrock is more than 700 feet below weak river bottom deposits. Extensive subsurface testing and analysis precisely defined the size, length and required capacity of the 1,100 foundation support piles for the new superstructure. The foundation system is designed to last 100 years without major structural maintenance and will safely accommodate future rail service and a pedestrian/bicycle path.

▶
**U.S. 84 Mississippi
River Bridge
Pin-and-Link Replacement**
Natchez, Mississippi
HNTB Corp.
Baton Rouge, Louisiana

Using a process never before attempted to replace the most deteriorated structural components of a 75-year-old bridge, the project team extended the structure's life another 40 years and avoided the time and expense of building a new bridge. By developing highly detailed plans and guidance for removing damaged pins and links, as well as rivets, the margin for error was reduced to almost zero. Despite many risks and unknowns, the pin-and-link replacement was completed successfully and restored a vital connector between Natchez, Mississippi, and Vidalia, Louisiana.





**Elliott Bay Seawall
Habitat and Public
Space**
Seattle, Washington
Magnusson Klemencic
Associates
Seattle, Washington

After 75 years of corrosion from tides and wind-driven waves, the 3,700-foot-long seawall—the city’s largest piece of infrastructure—was replaced with a state-of-the-art seismic-resistant version designed to last at least another 75 years. The design also incorporates an integrated salmon migration corridor—a first-of-its-kind structure aimed at enhancing the tidal marine environment. Topped by a new pedestrian promenade that features a custom light-penetrating sidewalk, the project greatly benefits the city’s overall quality of life—both above and below the water’s surface.



▲
Golden 1 Center
Sacramento, California
AECOM & Henderson Engineering
Orange, California

The new home of the NBA's Sacramento Kings raises the bar for environmental leadership at more than 200 events per year for more than 1.2 million visitors. It is the nation's most energy efficient sports venue and the world's first indoor sports facility to achieve LEED platinum certification for energy and resource efficiency. The complex is powered entirely by solar energy; water use by 45 percent and energy use by 30 percent. The first-of-its-kind displacement ventilation system delivers conditioned air directly beneath the seats, allowing fans to control temperature through a smartphone app. The arena's five-story aircraft hangar doors open to the city and the natural cooling breezes of the Sacramento Delta.

▶
Croton Water Filtration Plant
New York, New York
AECOM - Hazen and Sawyer
(Joint Venture)
New York, New York

Situated under one of the nation's first public golf courses is a four-story 290 million-gallon-per-day water treatment plant that provides up to 30 percent of New York City's drinking water. Using deep-rock excavation and tunneling, the project team integrated a variety of advanced treatment systems, including stacked dissolved air filtration/flotation tanks. The largest plant of its kind in the world, the massive complex includes an impressive array of sustainability measures that minimize environmental impacts. The natural processes that control and filter 40 percent of the site's stormwater help the 9-acre Moshulo Golf Course also become one of the nation's largest green roofs.





▲
**Claude "Bud" Lewis
Carlsbad Desalination
Plant Passage**
Carlsbad, California
Arcadis and Kleinfelder
Carlsbad, California

San Diego County's new \$922 million desalination plant is the largest in the Western Hemisphere, with a production average of 50 million gallons of fresh drinking water per day. An innovative design-build delivery process allowed the project team to improve drinking water and expedite completion. The plant will provide 400,000 residents with a locally controlled, drought-proof water supply that meets or exceeds state and federal drinking water standards. It helps San Diego County take a major step toward achieving its goal of supplying 8 percent of the region's water needs from seawater desalination by 2020.



▲
**SR 826 (Palmetto
Expressway)/SR 836
(Dolphin Expressway)
Interchange
Improvements**
Miami, Florida
BCC Engineering, Inc.
Miami, Florida

A reconstructed five-level interchange upgrades a vital link connecting two of the most traveled corridors in South Florida. The project team overcame constraints of a highly urbanized corridor that included three active rail lines, which limited the interchange's horizontal footprint, in addition to its proximity to Miami International Airport, which restricted project elevation. Reconstruction of the interchange included 49 new bridge structures and the relocation of a major drainage canal—all achieved with minimal disruption to traffic.





◀
**World Trade Center
Transportation Hub**
New York, New York
Downtown Design
Partnership
(STV/AECOM
Joint Venture)
New York, New York

The gleaming new transportation hub is an iconic portal to the 16-acre World Trade Center site, providing seamless access to multiple passenger rail systems and internal pathways to nearby office towers and nearly 400,000 square feet of retail space. To accommodate an active subway tunnel, which runs more than 1,000 feet across the site, the project team developed an innovative structural underpinning methodology to carry the subway line across a major pedestrian concourse and allow full subway operations throughout construction. Lateral bracing of the site's slurry walls mitigates the risk of failure of the walls that restrain the Hudson River.

◀
Kansas City Downtown Streetcar
Kansas City, Missouri
HDR, Kansas City, Missouri

Kansas City's new 2.2-mile state-of-the-art streetcar system provides a convenient new 16-stop transportation option for more than 10 million downtown visitors and workers. The streetcar system features the nation's first fleet of low-floor vehicles and level platform-to-car boarding to accommodate disabled passengers, bicyclists and parents with strollers. The streetcar also marks the first U.S. transit project to achieve the Envision Platinum Award for sustainability. More than \$400 million worth of announced developments have cited the streetcar as a factor in the decision to build within the district, confirming the new streetcar as a major economic boost for the corridor.



▲
University Link Extension
Seattle, Washington
McMillen Jacobs Associates
(on behalf of Northlink
Transit Partners
Joint Venture)
Seattle, Washington

Seattle's new University Link light rail extension efficiently connects the three largest urban centers in the state of Washington—downtown Seattle, Capitol Hill and the University District. The project includes 3.15 miles of twin-bored, 21-foot-diameter tunnels and new underground stations in the Capitol Hill neighborhood and adjacent to Husky Stadium. The tunnels cross under a major downtown interstate and within 13 feet of a ship canal. The project also includes the 427-foot-long Montlake Triangle Pedestrian Bridge, which is one of the first U.S. applications of highly curved post-tensioned concrete in lieu of steel.





◀
**Elizabeth River
Tunnels Project**
Norfolk and
Portsmouth, Virginia
WSP USA
Virginia Beach,
Virginia

In developing a second tube at the Midtown Tunnel connecting Norfolk and Portsmouth in Virginia, the project team also had to rehabilitate two existing tunnels, add two new interchanges to the Martin Luther King Jr. Expressway and relocate a 4,000-foot, 36-inch water main via directional drilling 170 feet beneath the Elizabeth River. The new tunnel was constructed in 11 prefabricated segments out of state and lowered into a trench excavated alongside the existing tube. The project also included 10 new bridges, two buildings, five pump stations, three noise walls and improvements to the regional Intelligent Transportation System network.

◀
Setting a New Standard for Infrastructure Renewal
Oakland/Macomb Counties, Michigan
NTH Consultants, Ltd.
Northville, Michigan

After years of catastrophic failures, the massive Oakland-Macomb Interceptor Drain was one of Michigan's top wastewater treatment priorities. Because the sewer had no bypass capability, the project team incorporated an innovative watertight liner to prevent additional groundwater and soil infiltration as well as a chemical-resistant barrier to prevent further corrosion of the concrete pipe. Never had such a repair solution been attempted on such a large diameter pipe (up to 13 feet), at such extreme depths (up to 110 feet) and over such a long distance (more than 7 miles). The repaired system assures continuous wastewater service for more than 800,000 residents.



▲
**Lockheed Martin
Technical Research
Laboratory**
Denver, Colorado
STV, Douglassville,
Pennsylvania

This pioneering technical research laboratory features four state-of-the-art laser laboratories that meet or exceed required ultra-low concentrations of environmental and airborne pollutants. Using computational fluid dynamics modeling, the project team was able to precisely control humidity and temperature—to within one-tenth of a degree Fahrenheit—creating a consistent, precise research environment for mission-critical experiments. Facility upgrades to meet exacting technical and security requirements were completed within nine months—less than half the time for a typical project of this complexity.



▲
**National Museum of African
American History and Culture**
Washington, D.C.
WSP USA
Boston, Massachusetts

As the newest cultural and architectural landmark in the nation's capital, this spectacular facility is also a showcase for sustainable building design. The energy system features an innovative chilled beam heating and cooling system, perfectly controlling climate in the display areas and galleries containing sensitive artifacts, yet using nearly one-third less energy than a comparably sized structure. Additional features include a 384-solar-panel array rooftop, demand-controlled ventilation, as well as a system for the capture, storage and reuse of rainwater and groundwater.





◀
Harry Tracy Water Treatment Plant
 San Bruno, California
 Kennedy/Jenks Consultants
 San Francisco, California

Combining advanced civil and structural engineering innovations, the project team designed an 11-million-gallon reservoir that will help a nearby water treatment plant quickly restore operations in the wake of a major earthquake. The massive above-ground, concrete reservoir includes a “tank within a tank” design, with an outer 3-million gallon chlorine contact raceway for water treatment surrounding an internal 8 million gallon treated water storage reservoir. The structure’s floor-slab and roof-slab connections are an “anchored flexible” design to resist high vertical and lateral seismic forces allowing the system to deliver a minimum of 140 million gallons per day within 24 hours after a major earthquake.

▼
130th & Torrence Grade Separation
 Chicago, Illinois
 Alfred Benesch & Co., Chicago, Illinois

One of Chicago’s most noted traffic bottlenecks has been transformed into a smooth-flowing multitiered interchange that is also helping spur development of the nearby Chicago Manufacturing Campus. Each day, more than 38,000 vehicles, 50 freight trains and 41 passenger trains used the intersection, creating a logjam. Further complicating the project was its proximity to an automotive assembly plant, a railroad mixing yard, a residential area and protected marsh area. The project realigned roadways and added six new bridges, including a 4.75-million-pound steel railroad truss bridge assembled in a nearby staging area then transported in just four hours to its permanent location.



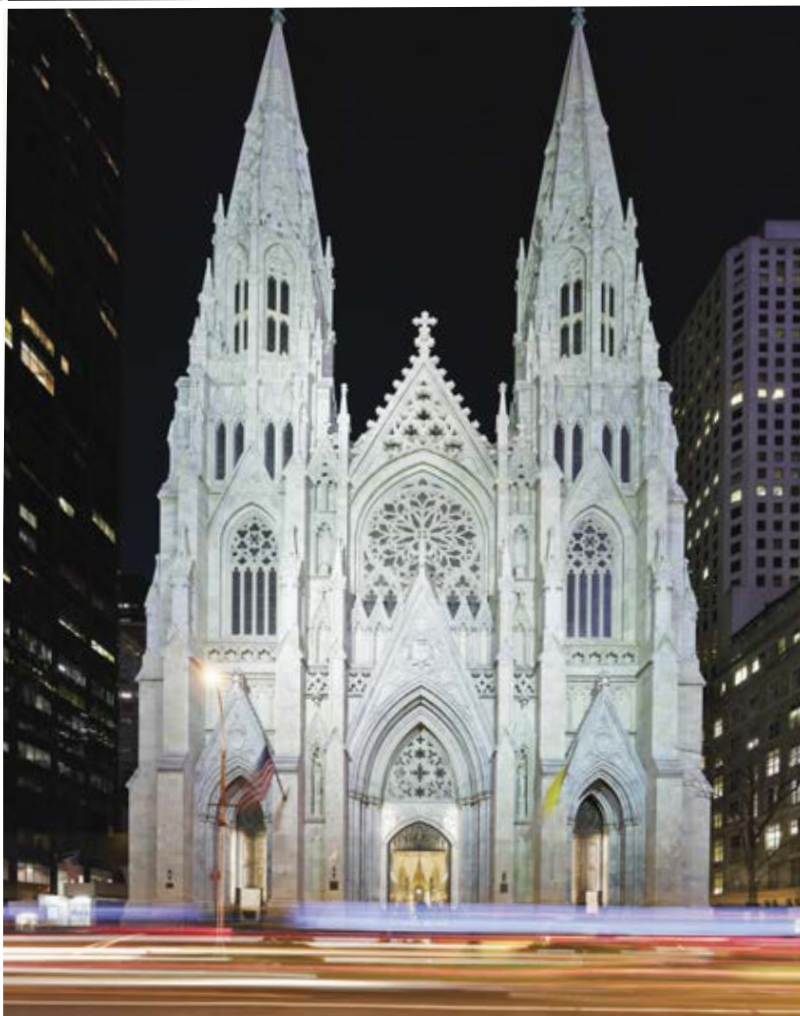
▲
U.S. Bank Stadium
 Minneapolis, Minnesota
 Thornton Tomasetti, Dallas, Texas

The new \$1.1 billion home of the NFL’s Minnesota Vikings is also a model of structural ingenuity. The 1.7-million-square-foot stadium features five 55-foot-wide steel-framed glass walls—some nine stories tall—which can pivot 90 degrees to create a large indoor/outdoor plaza with downtown views. The roof is steeply lofted for snow management and is one of the lightest steel roofs in North America. Covered by 246,000 square feet of a clear, lightweight polymer—it has the largest roof of its kind in North America and produces as much of an open-air feeling as many stadiums without roofs.



▲
Sellwood Bridge Replacement
Portland, Oregon
T.Y. Lin International
Beaverton, Oregon

A picturesque, three-arch bridge replaces a deteriorating 1925-era structure that was threatened by an encroaching hillside. The project team incorporated advanced seismic-resilient bridge components and innovative landslide mitigation systems to stabilize the hillside. They also trimmed a year off the construction schedule by shifting the original steel deck truss to one side using hydraulic jacks, allowing the bridge to remain in service during construction. The new bridge carries two vehicular lanes, two bike lanes, two shared-use sidewalks and will accommodate future streetcar service.



▲
St. Patrick's Cathedral Restoration
New York, New York
Langan Engineering and Environmental Services, New York, New York

The \$177 million restoration of the historic St. Patrick's Cathedral included a pioneering scanning method to accurately assess renovation needs of the 138-year-old edifice. The first-of-its-kind method used hundreds of geo-referenced digital images to develop façade surveys. The images provided over 40 million points, more than eight gigabytes of data and were so accurate that the preservation team was able to prepare comprehensive plans of the structure's most intricate and detailed features. The remarkable survey accuracy ensures that the restored building will maintain its historical integrity for decades to come.





▲
Newtown Creek Wastewater Treatment Plant Upgrade

Brooklyn, New York
Michael Baker International; CB&I; Gannett Fleming (Joint Venture)
 New York, New York

Innovative upgrades helped double this wastewater plant's wet-weather processing capacity to 720 million gallons per day, while increasing sediment and grit removal to 92 percent and reducing odor. To reduce discharges into the East River, the project team used advanced 4D modeling technology to deliver four new treatment components—totaling \$1.3 billion—and inspected the interiors of eight 140-foot-high egg-shaped anaerobic digesters that sit atop the plant. They also implemented a biogas program that is expected to heat nearly 5,200 homes and reduce annual greenhouse gas emissions by more than 90,000 metric tons by the end of this year.



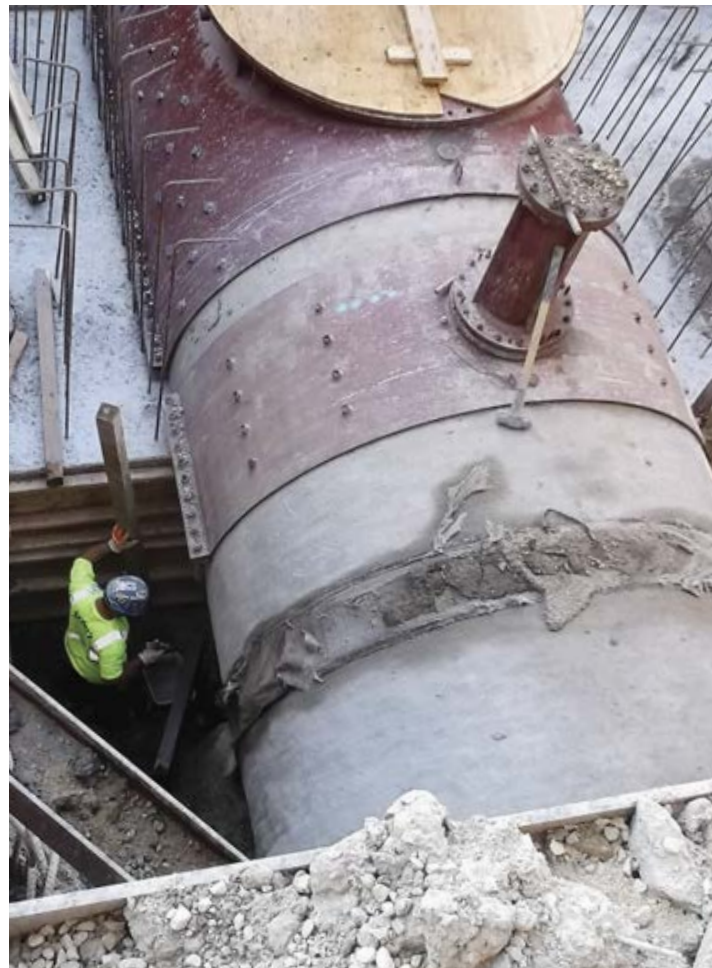
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C.W. Bill Young Regional Reservoir
 Hillsborough County, Florida
Gannett Fleming, Camp Hill, Pennsylvania

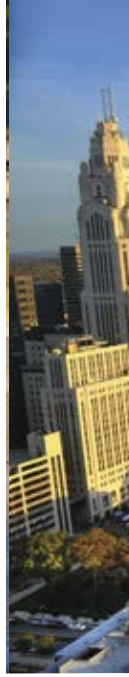
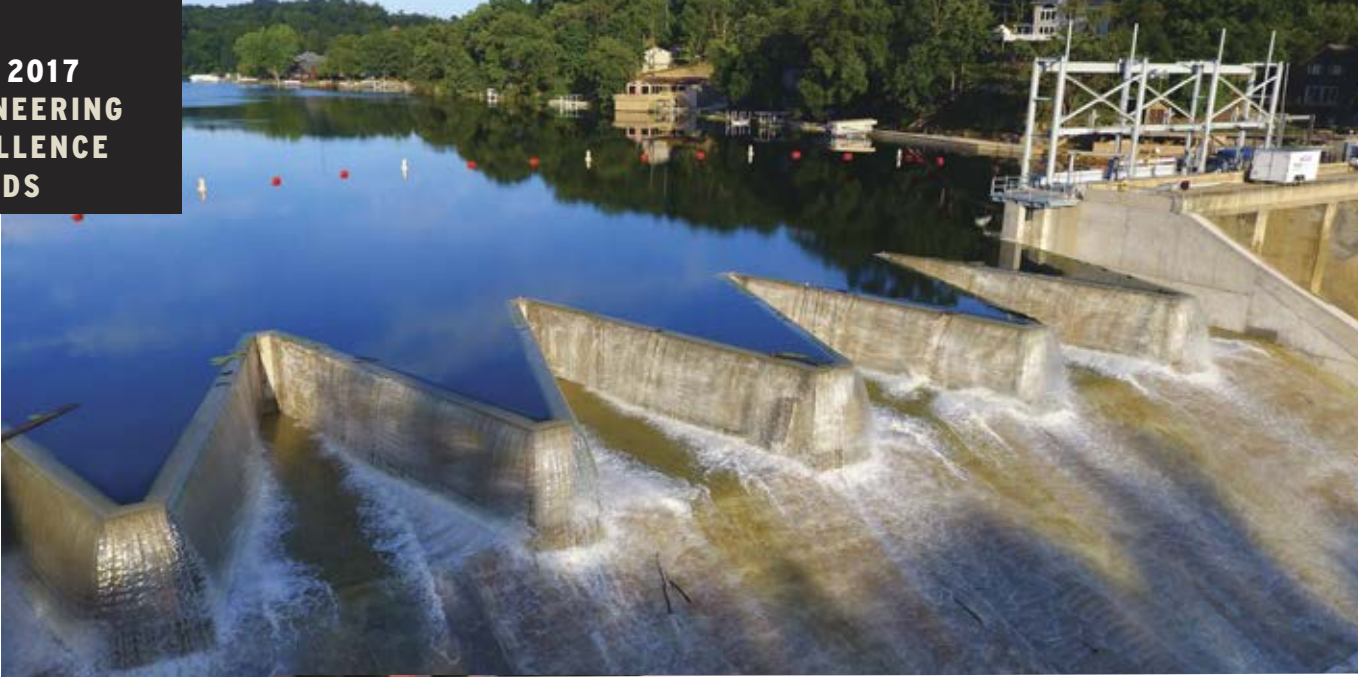
Imaginative engineering successfully restored Florida's largest off-stream potable raw water storage facility—a vital supply when available surface water withdrawals are limited. After abnormal cracks were discovered in the 1,100-acre reservoir's erosion control layer, the project team excavated the existing soil cement and soil wedge and replaced the existing geomembrane liner with a first-of-its-kind composite polyvinyl chloride layer to control seepage. A new stair-step erosion control system enhances the reservoir's stability, while a state-of-the-art re-curved sea wall prevents hurricane-driven waves from overtopping into the 15.5-billion-gallon facility that serves more than 2.4 million people.

▼
90-Inch Water Main Hot Tap & Line Plug
 Des Plaines, Illinois

GRAEF-TDW Services, Inc., Chicago, Illinois

A colossal 90-inch water transmission main was relocated to accommodate the rebuilding of the Jane Addams Memorial Tollway while maintaining water service to 500,000 residents. The project team designed, tested and constructed a unique thrust restraining system to absorb the massive forces generated by the risky hot tap procedure—where two pipes are connected without emptying pipe contents. The system safely absorbed the high-pressure force when water was diverted into the bypass section. It allowed a critical water supply to be preserved, the construction schedule to be reduced by a year and renovation of the tollway to proceed.





▲
Lake Delhi Dam
Delhi, Iowa
Stanley Consultants
Muscatine, Iowa

Six years after a devastating rain breached the original earthen Lake Delhi Dam, turning a popular nearby recreational attraction into 450 acres of mud, a redesigned spillway provides three times the overflow capacity of similar structures. The design team incorporated a unique accordion-shaped labyrinth spillway to pass high volumes of water across a short distance without the need for mechanical gates or electrical systems. Shortly after the completion of Iowa's first—and the Midwest's largest—labyrinth spillway, Lake Delhi had its fifth-largest recorded flood and the new dam performed flawlessly.



▲
Arthur Ashe Stadium Retractable Roof
New York, New York
Hardesty & Hanover, New York, New York

The renowned U.S. Open Tennis stadium now has a new retractable roof to assure that championship play can continue in any weather. The project team overcame the challenge of placing a new roof on an existing stadium by employing two 1-million-pound panels mounted on 16 wheel-axle assemblies, which in just six minutes can move the panels together to enclose the 62,500-square-foot roof opening. In addition to handling the stress of panel movement, the mechanization system resists lateral winds and uplifts of as much as 50 mph. The new retractable roof saves millions of dollars in lost revenue from play stoppage and in the cost of constructing a new stadium.



◀
Scioto Greenways
Columbus, Ohio
Stantec with MKSK, Messer
Construction, Resource
International, Korda/Nemeth and
ASC Group, Columbus, Ohio

As part of a stunning new 33-acre recreational greenway in downtown Columbus, the project team revitalized a 7,000-foot section of the downtown river to its natural flow. The project included removal of an outdated dam, the installation of grade control systems and reconstruction of the riverbed. Material excavated from the riverbed was recycled to create new riverbanks. The project includes new green space for recreational activities along both banks and is a catalyst for further private downtown investment.



◀
Franklin Avenue Bridge Rehabilitation
Minneapolis, Minnesota
HNTB Corp., Golden Valley, Minnesota

Major restoration of this historic five-span arch bridge over the Mississippi River would normally require a two-year closure, yet the span was reopened to traffic after just 116 days. With the renowned 1923-era Minneapolis landmark needing extensive structural rehabilitation, the project team designed and fabricated numerous bridge elements and systems, including deck panels, rail panels, cap beams and ornamental railing panels, before closing the bridge to traffic. The design also included polished stainless steel plates embedded in the underside of the precast deck panels to reduce the number of needed expansion joints. The project is a model for reconstructing a bridge within a short time frame.



▶
U.S. 36 Boulder Turnpike Express Lanes
Denver, Colorado
HDR, Denver, Colorado

Colorado's first multimodal transportation facility integrates bus, vehicle and bicycle traffic. The project contains several statewide firsts: the first active traffic management system, which uses CCTV cameras to identify traffic patterns and direct drivers away from upcoming hazards; and buffer-separated lanes for express and general-purpose traffic. An innovative diverging diamond interchange—one of only 34 in the U.S.—crosses traffic to the opposite side of the road to allow for unimpeded left turns onto freeway ramps to reduce traffic conflict points. The improvements have cut average rush hour commuting times by 25 minutes.



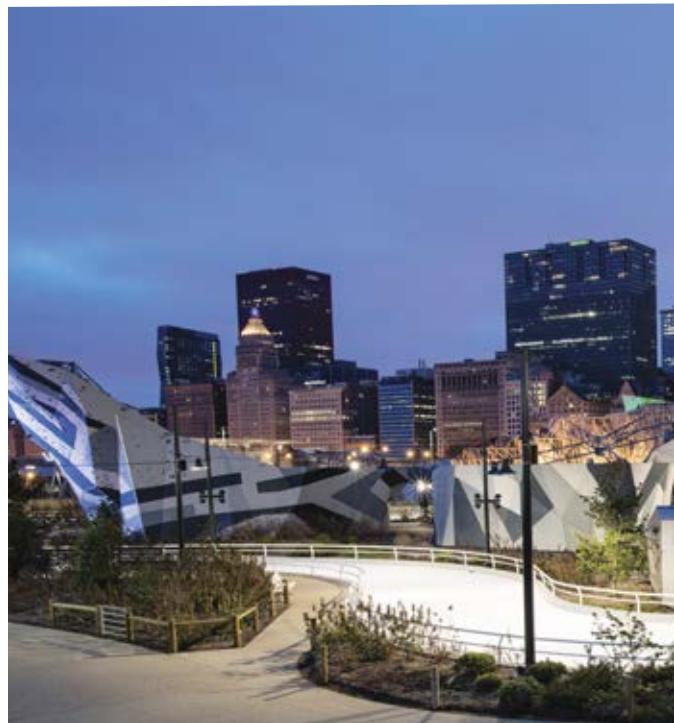
▲
**Cincinnati Bell
Connector**
Cincinnati, Ohio
WSP USA and HDR
Cincinnati, Ohio

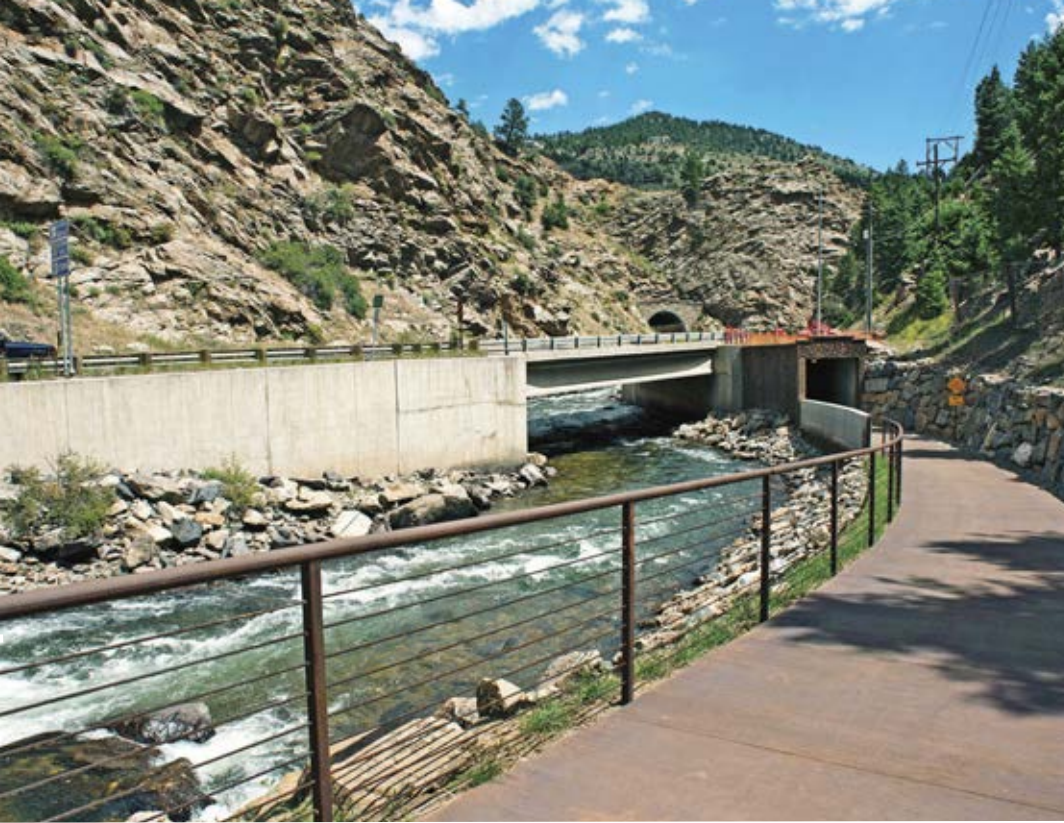
A new 3.6-mile streetcar line provides a speedy connection between Cincinnati's central riverfront, its resurgent downtown and its Over-the-Rhine neighborhoods. Powered by an overhead electrical system, the \$148 million streetcar system shares the road with automobile traffic in mixed-use lanes. The design included the removal of an 8.5-foot-wide section of pavement approximately 20 inches deep to install the rail-embedded reinforced concrete. The project includes 18 raised platforms, customized shelters and aesthetics that mirror nearby historic areas while also improving infrastructure efficiency through linked transportation systems.



▲
Gay Head Lighthouse Relocation
Aquinnah, Massachusetts
GEI Consultants, Woburn, Massachusetts

As the focus of national media attention including a PBS Nova documentary titled "Operation Lighthouse Rescue" a 159-year-old, 465-ton lighthouse was rescued from an eroding cliff and moved to a new elevated site to preserve the light's focal point and remain in service. The project team built a 129-foot-long precisely graded path with well-compacted aggregates and geotextile reinforcement, then raised the lighthouse onto steel beams and pushed it along steel rails along the path to its new foundation. The project team also worked with the local Wampanoag Tribe to restore the cliff site after the move.





▶ **Peaks to Plains Trail:
Clear Creek Canyon Segment**
Jefferson/Clear Creek Counties,
Colorado
Muller Engineering Co.
Lakewood, Colorado

Outdoor enthusiasts can now enjoy unprecedented recreational access to Clear Creek Canyon with completion of a 3-mile segment of a planned 15-mile multi-use trail through the rugged terrain from Golden to Idaho Springs, Colorado. Sustainable design was a priority in creating the 10-foot-wide concrete trail, preserving existing large trees, riparian vegetation and rock outcroppings while removing debris and eroded areas from past mining operations. Artistic native rock, colored concrete and weathered steel allow the trail to blend with natural canyon colors. A major step toward the proposed 65-mile Peaks to Plains Trail, the new trail accomplishes planners' goal to "complement the Canyon terrain so well that users feel like the trail has always been there."

▼ **Maggie Daley Park Reconstruction**
Chicago, Illinois
Stantec & Infrastructure Engineering
Chicago, Illinois

This world-class 20-acre park features an eye-catching quarter-mile-long "ice ribbon" for skating. The ice ribbon winds through the park, rising and falling with the landscape. It can accommodate up to 700 skaters during the winter and converts to a walking/jogging trail during warmer months. The park also includes two 40-foot-tall rock climbing structures, which also conceal the ice ribbon's refrigeration system, and a 3-acre play garden for children featuring a 125-foot-long suspension bridge. The project team overcame the challenge of locating the park atop an existing underground parking garage by incorporating eco-friendly, lightweight geofoam fill to minimize loads.



▲ **Hydrothermal Processing Pilot System**
Greenwood Village, Colorado
Merrick & Co., Greenwood Village, Colorado

This pilot project proved that a hydrothermal processing system can be used to transform wet biomass waste into a valuable fuel at a useful scale. Hydrothermal processing uses water, high heat and high pressure to transform hydrocarbon-rich material—in this test case, algae—into bio-crude oil and natural gas. While the technology has been successfully tested in laboratories, this project was the first time a pilot-scale of the processing system was successfully built, tested and commissioned. Currently now in operation in India, the pilot-scale system produces approximately 1,000 liters of fuel per day—a much higher quantity than any previous demonstration of the technology and an indicator of its potential for other, larger applications.

NATIONAL RECOGNITION AWARD WINNERS

FIRM NAME	PROJECT NAME	FIRM NAME	PROJECT NAME
ACEC/ALABAMA Volkert, Inc.	Fairhope Water Resource Recovery Facility	Muller Engineering Co.	Peaks to Plains Trail: Clear Creek Canyon Segment
ACEC/ARIZONA GHD Psomas	Scottsdale Booster Pump Station 71 Paseo de las Iglesias: Santa Cruz River Bank	ACEC/CONNECTICUT AECOM Lochner RACE Coastal Engineering/ GeoDesign, Inc. WSP USA	Pearl Harbor Memorial Bridge I-95/I-91/Route 34 Interchange Steelpointe Harbor Waterfront Improvement Project Rehabilitation of Route 8 Bridges
ACEC/ARKANSAS Bridgefarmer & Associates	I-430/I-630 The Big Rock Interchange	ACEC/FLORIDA Ayres Associates and GCI, Inc. (jointly with Kimley-Horn and Associates, Inc. and STV) BCC Engineering	Scour Evaluation for Bridges with Unknown Foundations SR 826 (Palmetto Expressway)/ SR 836 (Dolphin Expressway) Interchange Improvements U.S. 17-92 Interchange at SR 436 C.W. Bill Young Regional Reservoir Boca Grande Causeway Swing Bridge DAYTONA Rising
ACEC/CALIFORNIA AECOM/Henderson Engineering, Inc. Arcadis Arcadis/Kleinfelder Burns & McDonnell Holdrege & Kull Consulting Engineers & Geologists/ Innovative Construction Solutions, Inc./ Coastland Engineering, Inc. Kennedy/Jenks Consultants Kennedy/Jenks Consultants Kimley-Horn and Associates Kimley-Horn and Associates Kjeldsen-Sinnock & Neudeck Kleinfelder Kleinfelder Maintenance Design Group	Golden 1 Center Middle Harbor Redevelopment Program, Phase 1 Claude "Bud" Lewis Carlsbad Desalination Plant 500kV Underground Transmission Project Closed Lincoln Landfill Groundwater Corrective Action Digester Biogas to Clean Burning Vehicle Fuel Harry Tracy Water Treatment Plant - Long Term Improvements Blue Line Light Rail Transit Renewal Interstate 80 SMART Corridor Integrated Corridor Mobility Project Regional Wastewater Facility 3D Scanning & Modeling Auto Center Drive Grade Separation Cross Border Xpress Terminal Building and Pedestrian Skybridge L.A. County Bus Operations and Maintenance Facility	ACEC/GEORGIA Amec Foster Wheeler American Engineers, Inc. CH2M Croy Engineering Emprise Corp.	Porsche Cars North America Headquarters/Aerotropolis 5-Points Intersection Improvement Project Peachtree Corners Geospatial Asset Inventory Skip Spann Connector Gas Turbine Test Stand 6
ACEC/COLORADO Dewberry HDR HDR Merrick & Co. Merrick & Co.	Rueter-Hess Water Purification Facility South Platte Interceptor U.S. 36 Boulder Turnpike Express Lanes Antarctica in HD - Master Planning at the Bottom of the Earth Hydrothermal Processing Pilot System	ACEC/IDAHO Parametrix T-O Engineers, Inc. ACEC/ILLINOIS Alfred Benesch & Co. Baxter & Woodman GRAEF - TDW Services Greeley and Hansen Hanson Professional Services, Inc./ Maurer-Stutz, Inc. Stanley Consultants; Chastain/ Thomas Joint Venture Stantec/Infrastructure Engineering, Inc.	I-84 Meridian Road Interchange Friedman Memorial Airport 130th Street & Torrence Avenue Grade Separation Wastewater Plant Combined Heat and Power Project 90-Inch Water Main Hot Tap & Line Plug O'Brien Reclamation Plant Adds UV Disinfection System Ahsapa Reconnects Emiquon to Illinois River Fox River Bridge Maggie Daley Park Reconstruction
		ACEC/INDIANA CHA Greeley and Hansen Wessler Engineering	U.S. 31 Hamilton County Freeway Rabbit Run Storage Tank Reduces CSO Plan Costs Fry Road Rain Trail
		ACEC/IOWA CH2M HDR HDR Stanley Consultants	Iowa 100 Extension Project - Phase I Iowa Premium Wastewater Treatment Plant Railroad Relocation Project Lake Delhi Dam

VIA 57 West: Systems Innovations for the Courtscraper, New York, New York, by Dagher Engineering, New York, New York, is a 2017 EEA National Recognition Award winner.



FIRM NAME	PROJECT NAME	FIRM NAME	PROJECT NAME
ACEC/KANSAS Burns & McDonnell	Riverton Unit 12 Combined Cycle Conversion Project	ACEC/MONTANA DJ & A, P.C. HDR	Missoula to Lolo Trail Jackrabbit to Big Sky Transmission Line
ACEC/KENTUCKY Bell Engineering	Nicholasville Road FEMA Flood Mitigation Project	Thomas Dean & Hoskins, Inc.	Multiuise Athletic Field & Intermittent Stormwater Detention Pond
EA Partners Stantec	Kingdom Come State Park Access Hatchery Creek Stream Restoration	ACEC/NEBRASKA EA Engineering, Science and Technology, Inc., PBC Lamp, Rynearson & Associates	Lincoln Park Phase 2 Sediment Clean-Up Design Henry Doorly Zoo Stormwater Management
ACEC/MAINE Amec Foster Wheeler	Fore River Seep Remediation	ACEC/NEW JERSEY Amercom Corp., Consulting Engineers Dewberry	Metro Road Bridge Replacement in 9 Days NJDOT Route 46 Rockfall Protection Fence Centralizing for Efficiency Rehabilitation of Park and Watchung Avenue Bridges Route 18 Bridge over Route 1 NJDOT Route 72 Manahawkin Bay Bridge New Route 72 Manahawkin Bay Bridge
ACEC/MASSACHUSETTS GEI Consultants GZA GeoEnvironmental	Gay Head Lighthouse Relocation Foundation Design for Tappan Zee Bridge Replacement	Gannett Fleming HNTB Corp.	
Tetra Tech	Secondary National Roads Development Project	HNTB Corp. Jacobs Engineering Group	
Tighe & Bond, Inc. VHB	Biosolids Dryer Facility Route 79/I-195 Interchange Improvements	WSP USA	
WSP USA	Marblehead Pipeline Replacement Project	ACEC/NEW MEXICO WHPacific	McCarran Int'l Air Traffic Control Tower and TRACON
WSP USA	National Museum of African American History and Culture	ACEC/NEW YORK Downtown Design Partnership (STV/AECOM Joint Venture)	World Trade Center Transportation Hub
ACEC/METROPOLITAN WASHINGTON A. Morton Thomas and Associates	Brookside Gardens Entryway and Parking Lot	Buckland & Taylor International, Inc., an affiliate of COWI North America, Inc. CHA	World Trade Center Transportation Hub (Oculus) Erection Engineering Cleveland Drive over I-90 Bridge Replacement VIA 57 West: Systems Innovations for the Courtscaper American Physical Society Arthur Ashe Stadium Retractable Roof Croton Water Filtration Plant Government Center Station Reconstruction Jerome L. Greene Science Center 365 Bond
Summer Consultants, Inc.	U.S. Tax Court HVAC Improvements	Dagher Engineering	56 Leonard Street
Walter P Moore and Associates Whitman Reardon and Associates	The Charleston Gaillard Center Corbalis to Fox Mill Water Main	Gilsanz Murray Steficek Hardesty & Hanover	St. Patrick's Cathedral Restoration
ACEC/MICHIGAN Fleis & Vandenbrink Engineering	Muskegon River Survey with Drones & Boats	Hazen and Sawyer/AECOM HDR	The Beekman Hotel and Residences Restoration
NTH Consultants	Oakland-Macomb Interceptor Drain Rebuild	Jaros, Baum & Bolles Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.	
Prein & Newhof	Gerald R. Ford International Airport Drainage Improvements	Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.	
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FIRM NAME	PROJECT NAME
ME Engineers	Billie Jean King National Tennis Center
Michael Baker International/CB&I/ Gannett Fleming, Joint Venture	Interim Upgrade of Newtown Creek Wastewater Treatment Plan
Sam Schwartz Engineering STV/URS	Brooklyn Queens Connector Reconstruction of Route 9A and Lower Manhattan Streets
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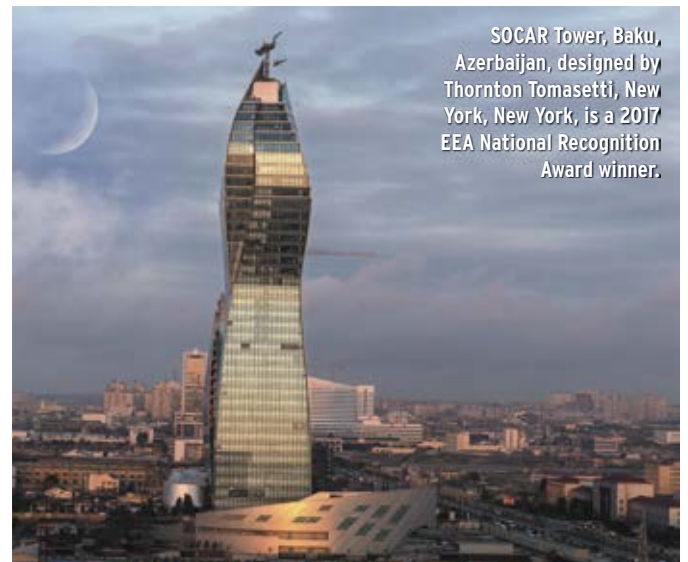
Guernsey Olsson Associates	Boeing Office and Laboratory Emergency Repair of May Avenue Bridge
Olsson Associates	Western Road Widening

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HDR	Bridge Creek Water Supply and Treatment Plant
T.Y. Lin International	Sellwood Bridge Replacement

ACEC/PENNSYLVANIA

Gannett Fleming Gannett Fleming Johnson, Mirmiran & Thompson	Hulton Bridge Replacement Maintenance-IQ: GIS Application Guaranteed Pavement Information System Application
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Magnusson Klemencic Associates	Elliott Bay Seawall Habitat and Public Space
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Shannon & Wilson	Fir Island Farms Estuary Restoration
WSP USA	Sound Transit Regional HCT System Plan
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